



CLASS 11 Computer – LO's Aligned Monthly Split-up Syllabus (April 2026–March 2027) + Portion Boundaries + Exams + Weightage + Question Paper Design + Blueprint (For CM SoE & Non-CM SoE)

Developed by:- Jharkhand Council Of Educational Research & Training (Curriculum Division)



Month	Teaching Days (Available)	NCERT Chapter Titles	Sub-topics / Portion Boundary	LOs (*LO Mapping - IDs)	Practicals / Activities (Minimum)	Assessment / Exams (प्रश्न पत्र एवं उत्तर कुंजिका निर्माण)
Apr2026 + May 2026 + Jun 2026		Computer Systems and Organisation	Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory. Portion boundary: Unit 1 Part-I complete. Types of software; system software, translators, application software; OS functions and OS user interface; Boolean logic, truth tables, De Morgan's laws, logic circuits; number systems and conversions; ASCII, ISCII, Unicode. Portion boundary: Unit 1 complete.	LO1, LO4	Welcome message program; hardware identification chart; memory hierarchy activity; larger/smaller number program. Truth table worksheet; number system conversion drill; OS user-interface observation.	April to June portion tested in Project RAIL on 06-07-2026 DIET Godda एवं DIET Gumla
Jul 2026	14	Computational Thinking and Programming-I (Start)	Problem-solving steps; algorithm; flowchart; pseudocode; decomposition; Python introduction, execution modes, tokens, variables, comments, data types, operators, expressions, type conversion, input/output, errors. Portion boundary: Python fundamentals complete.	LO1, LO2, LO3	Hello-world program; console input/output; type conversion drill; operator-based short programs.	July portion tested in Project RAIL on 03-08-2026 DIET Khunti एवं DIET Kodarma
Aug 2026	12	Computational Thinking and Programming-I – Flow of Control / Conditional Statements	Introduction to flow of control; indentation; sequential, conditional and iterative flow; if, if-else, if-elif-else; simple programs: absolute value, sort 3 numbers and divisibility. Portion boundary: conditional programming complete.	LO1, LO2, LO3	Flowchart notebook work; conditional programming set; debugging exercise.	Half Yearly Exam: 07-09-2026 to 12-09-2026 (covers Jun–Aug).
Sep 2026	23	Computational Thinking and Programming-I – Iterative Statements	for loop, range(), while loop, break, continue, nested loops; suggested programs: generating pattern, summation of series, factorial, prime/composite, Fibonacci, GCD/LCM. Portion boundary: loops complete.	LO1, LO2, LO3	Pattern generation; series programs; prime/composite and Fibonacci practice; GCD/LCM programs.	September portion tested in Project RAIL on 06-10-2026 DIET Ramgarh एवं DIET Ranchi
Oct 2026	22	Computational Thinking and Programming-I – Strings + Lists (Start)	String operations, slicing, traversal, built-in methods; Lists: introduction, indexing, concatenation, repetition, membership and slicing. Portion boundary: Strings complete; Lists started.	LO1, LO2, LO3	Palindrome string task; case conversion; vowel/consonant/uppercase/lowercase count; list basics worksheet.	October portion tested in Project RAIL on 02-11-2026 DIET Sahibganj एवं DIET Saraikela Kharsawan.
Nov 2026	14	Computational Thinking and Programming-I – Lists (Finish) + Tuples	List methods, nested lists, max/min/mean, linear search, frequency count; Tuples: operations, nested tuple, min/max/mean, search, frequency. Portion boundary: Lists and Tuples complete.	LO1, LO2, LO3	Largest/smallest in list/tuple; even-odd position swap; list/tuple search; frequency count.	November portion tested in Project RAIL on 07-12-2026. DIET Bokaro एवं DIET Chatra
Dec 2026	21	Computational Thinking and Programming-I – Dictionary + Python Modules	Dictionary introduction, key-based access, mutability, traversal, methods; Introduction to Python modules: math, random, statistics. Portion boundary: Unit 2 complete.	LO1, LO2, LO3	Dictionary with roll number, name and marks; marks above 75 display; character count using dictionary; random/statistics module tasks.	December portion tested in Project RAIL on 11-01-2027 DIET Dumka एवं DIET E-Singhbhum
Jan 2027	18	Society, Law and Ethics	Digital footprints; net etiquettes, communication etiquettes, social media etiquettes; IPR, plagiarism, copyright/trademark infringement, open-source licensing; cybercrime; cyber safety; malware; e-waste management; IT Act; technology and society, gender and disability issues. Portion boundary: Unit 3 complete; full syllabus completed by Dec 2026.	LO5, LO6	Cyber safety poster; IPR/plagiarism case study; e-waste awareness note; project/report file review.	Project RAIL (Full Syllabus) on 01-02-2027 DIET Godda एवं DIET Gumla
Feb 2027 (Revision Month)	19	Full Syllabus Practice & Remedial + Practical Consolidation	Mixed theory and coding practice; weak-area correction; answer-writing and debugging support.	LO1, LO2, LO3, LO4, LO5, LO6	Report file completion (Minimum 20 Python programs); project progress; viva practice.	Annual Examination: 01-03-2027 to 05-03-2027 AND 15-03-2027 to 20-03-2027 - full syllabus
Mar 2027	20	Board Examination (continued, if applicable) / Post-exam Academic Support	Board examination continuation / light post-exam academic engagement, bridge work, reading / enrichment / record completion as applicable.		Bridge activities / portfolio / reading enrichment / feedback.	Post-exam school support (as applicable)
LO ID	LOs (*LO Mapping - IDs)					
LO1	develop basic computational thinking					



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LO2	explain and use data types
LO3	appreciate the notion of algorithms
LO4	develop a basic understanding of computer systems- architecture and operating system
LO5	explain cyber ethics, cyber safety, and cybercrime
LO6	understand the value of technology in societies along with consideration of gender and disability issues

Distribution of Marks

Unit No.	Unit Name	Marks		
1	Computer Systems and Organisation	10		
2	Computational Thinking and Programming -1	45		
3	Society, Law, and Ethics	15		
	Total	70		

Practical

S.No.	Unit Name	Marks (Total=30)		
1	Lab Test (12 marks)			
	Python program (60% logic + 20% documentation + 20% code quality)	12		
2	Report File + Viva (10 marks)			
	Report file: Minimum 20 Python programs	7		
	Viva voce	3		
3	Project (that uses most of the concepts that have been learnt)	8		